

FIG. 1

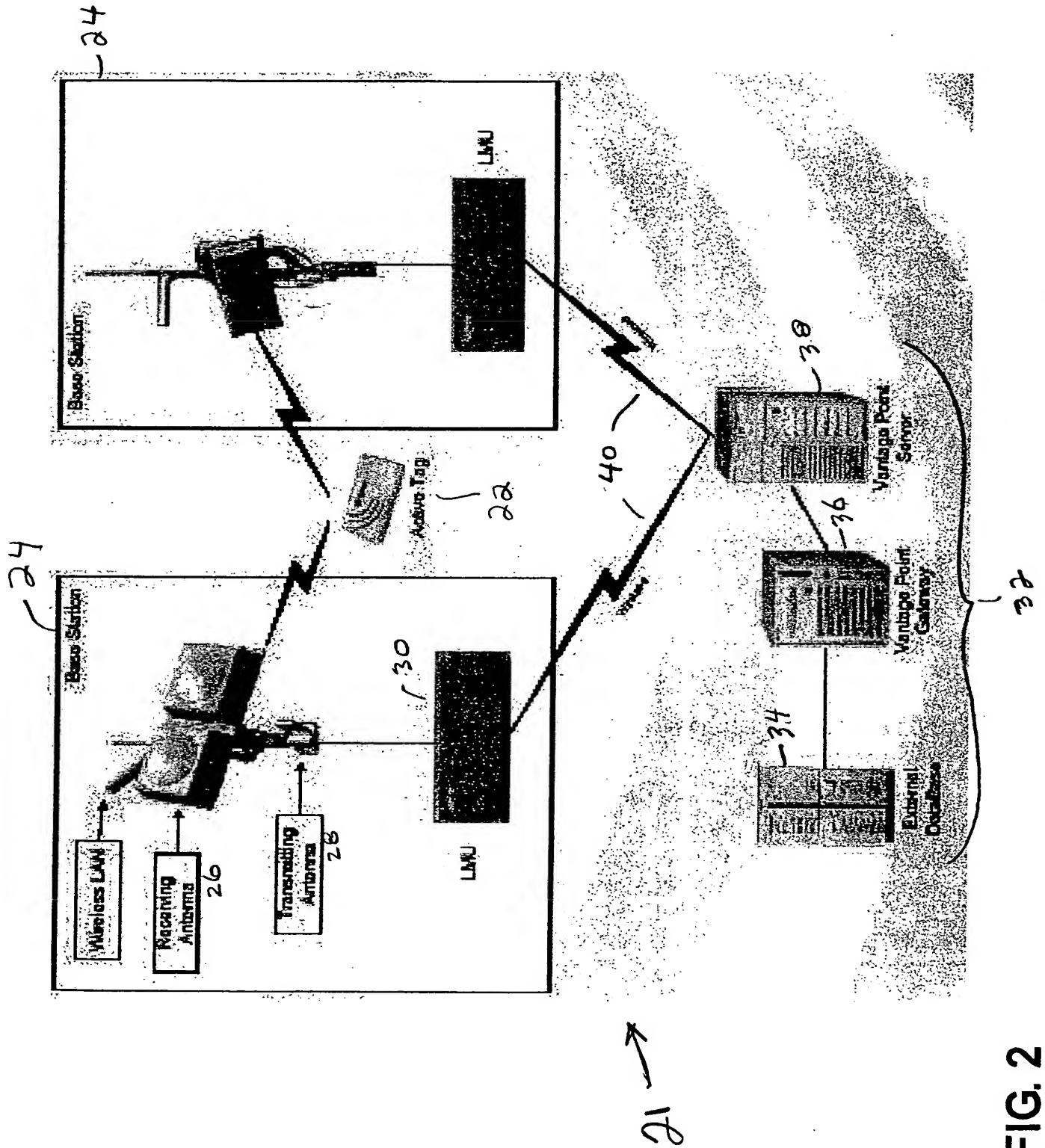


FIG. 2

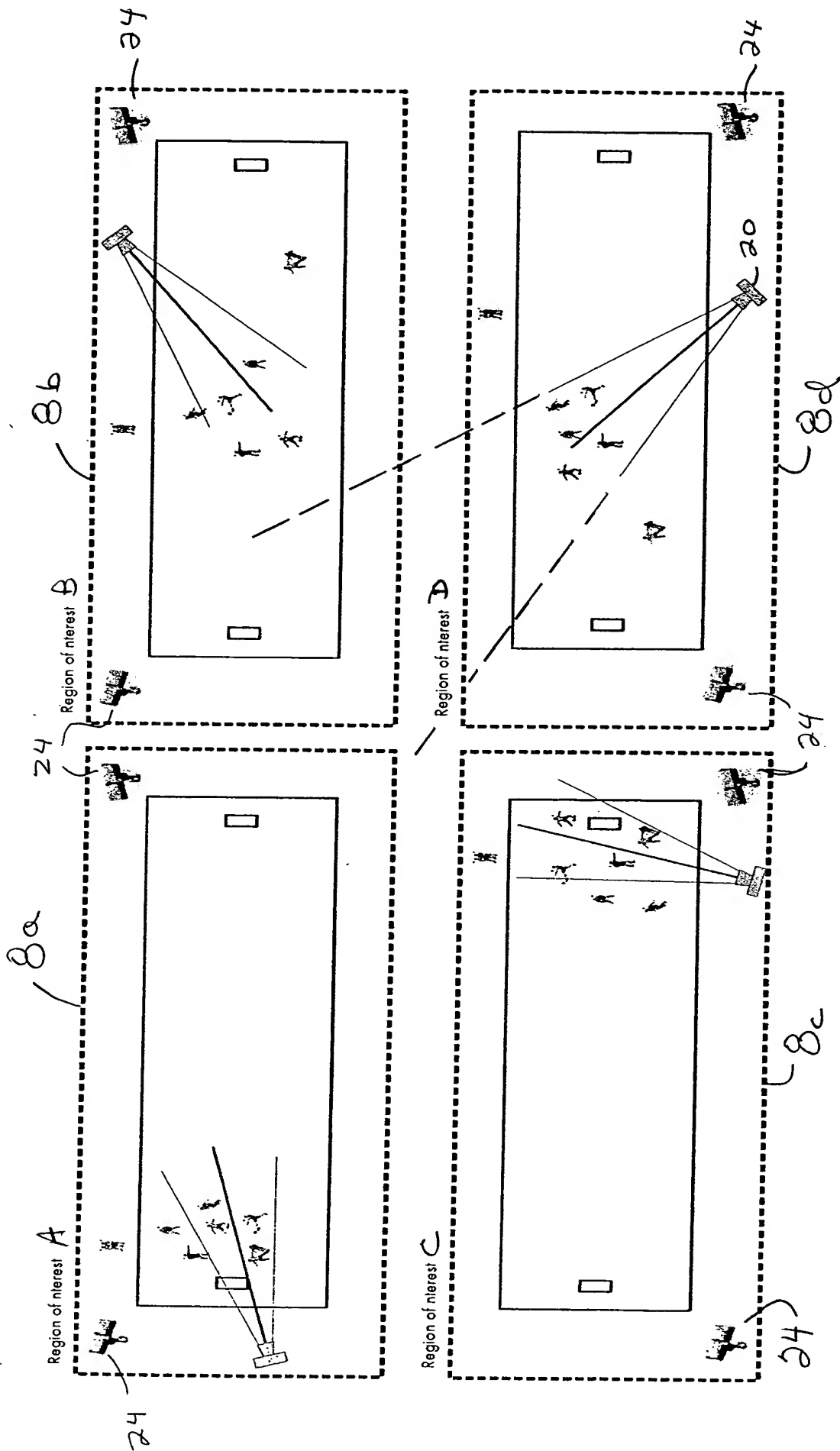
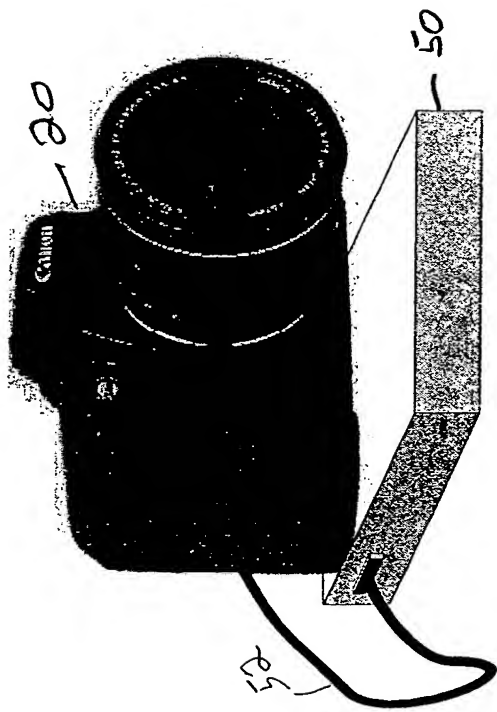
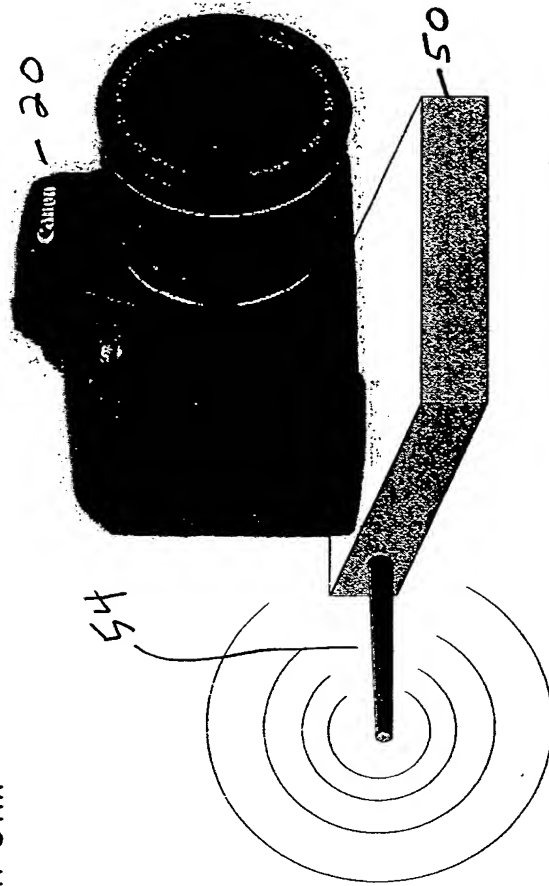


FIG. 3



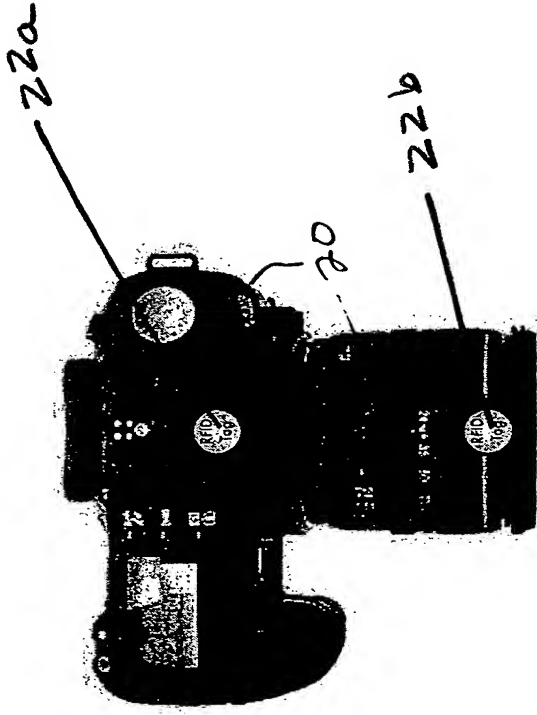
**FIG. 4A**

Camera with Tracking Data Acquisition Unit  
Tracking data stored with image



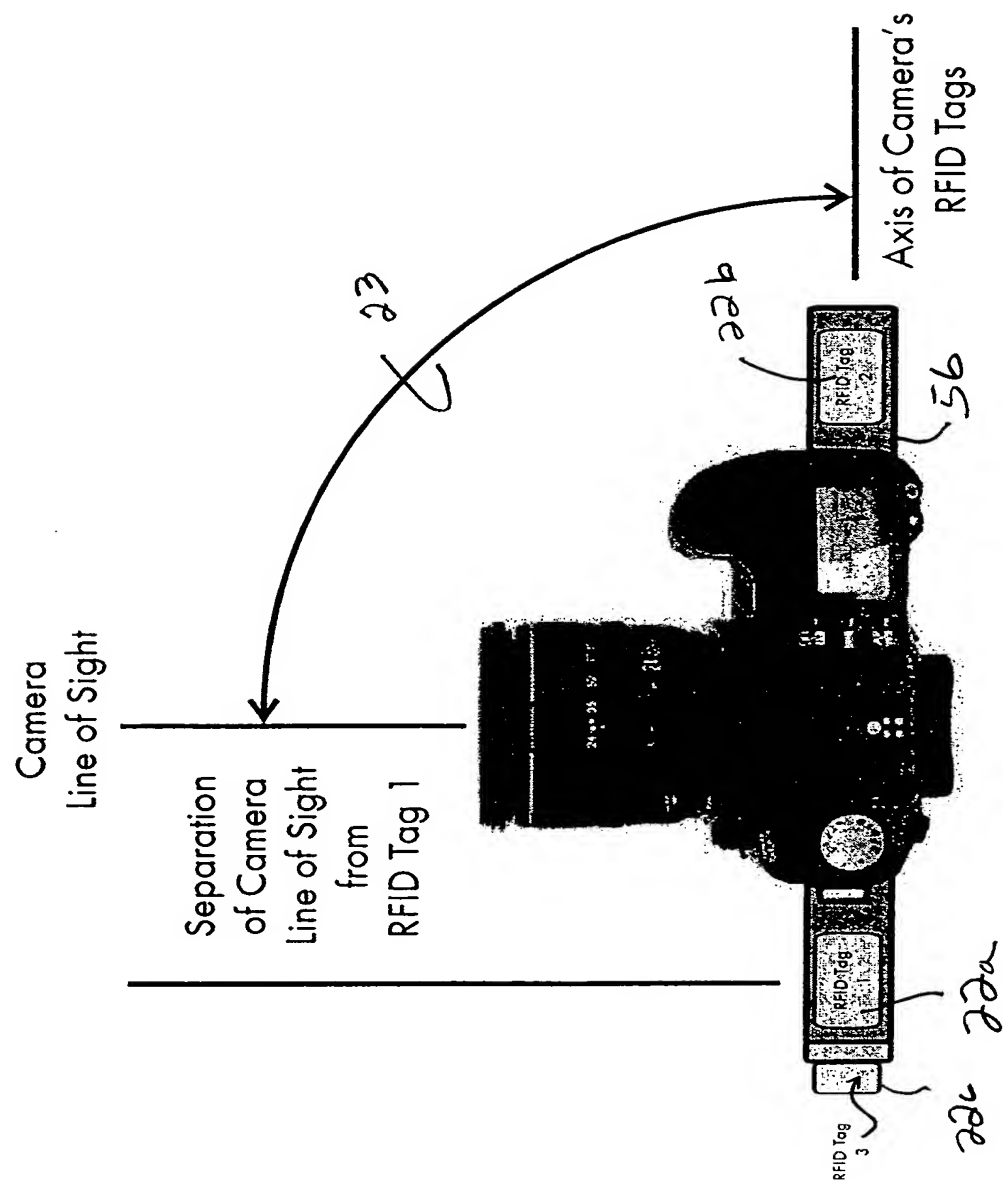
**FIG. 4B**

Camera with Tracking Data Acquisition Unit  
Tracking data wirelessly transmitted to  
Camera Position Database



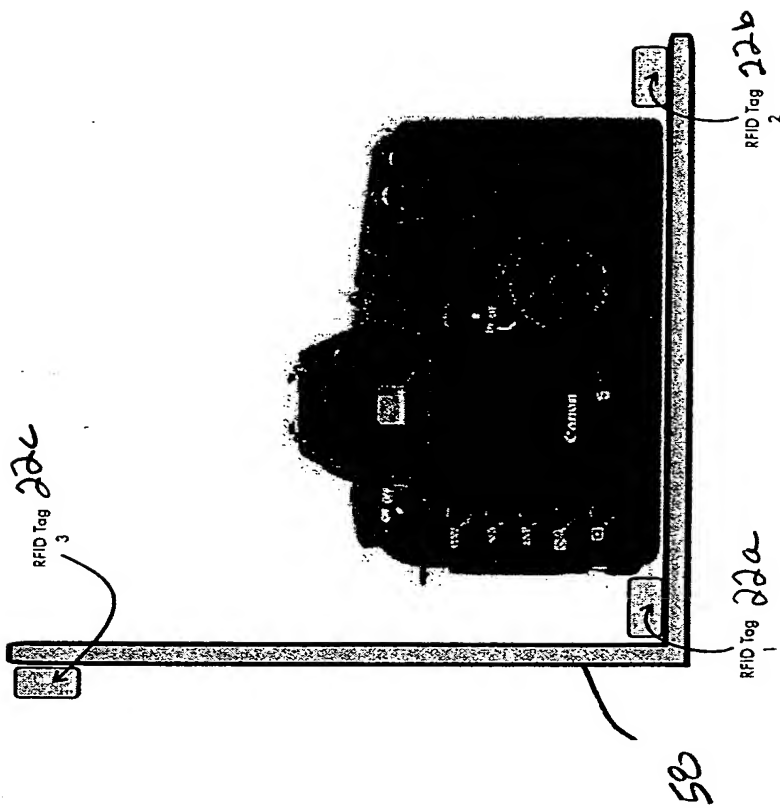
**FIG. 5A**

Camera with RFID Tags on Body

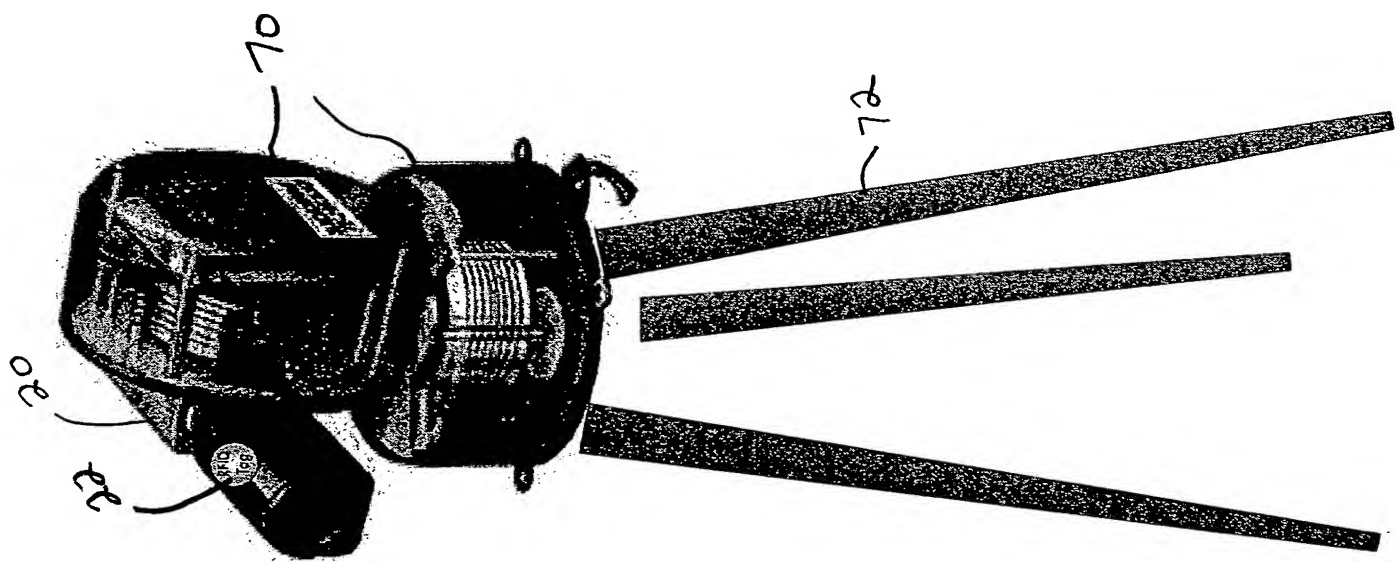


**FIG. 5B**

Camera with RFID Tags on Bar



**FIG. 5C**  
Camera with RFID Tags  
on 2-axis Bar



**FIG. 6**

Camera on Gimbal Mount



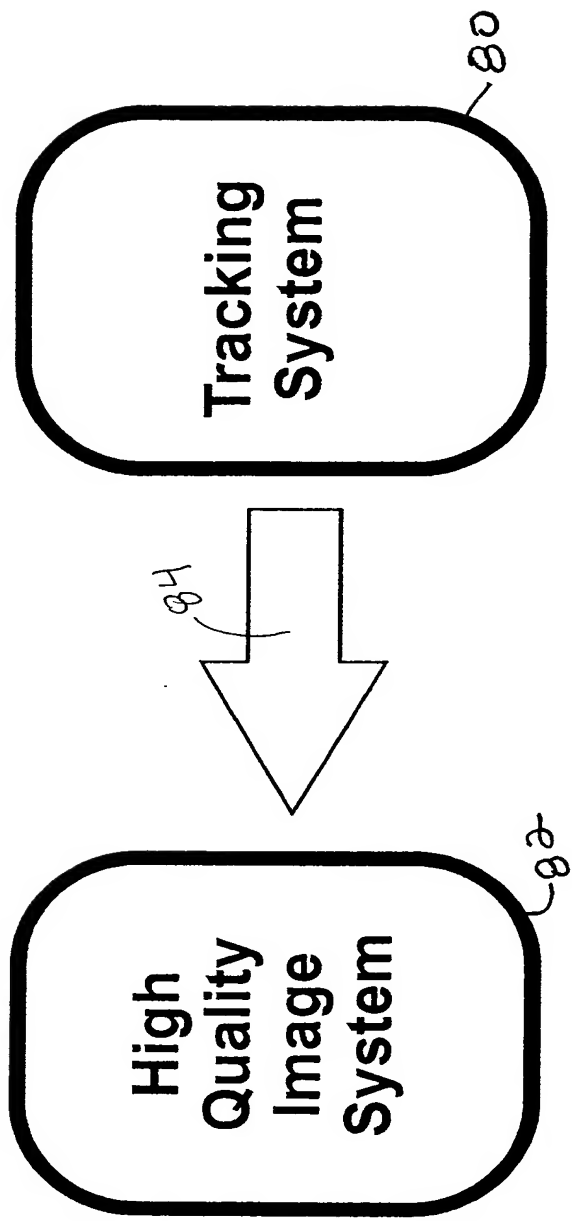


FIG. 7A

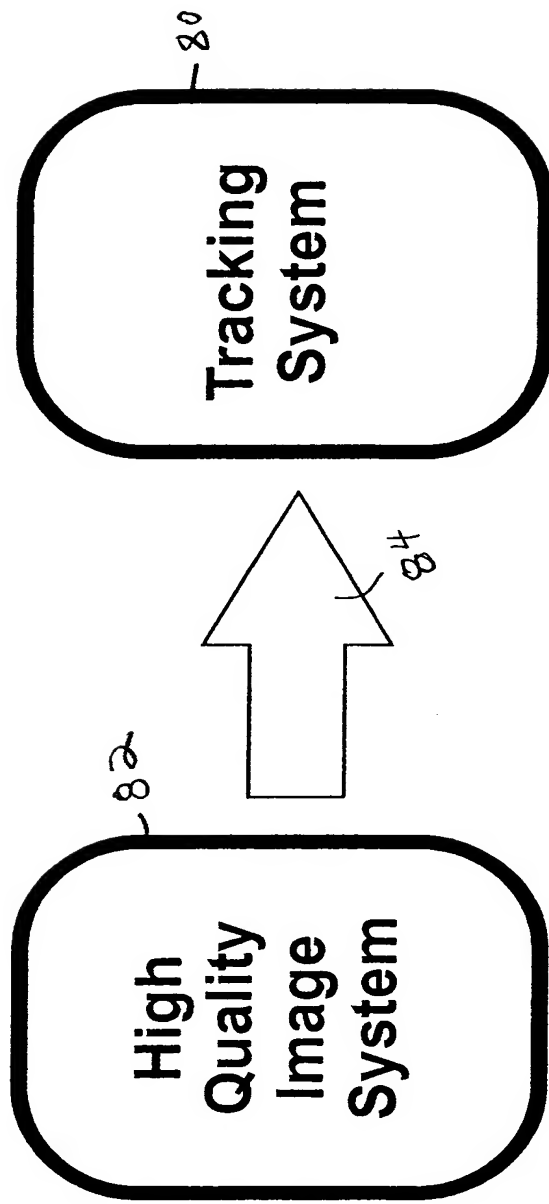


FIG. 7B

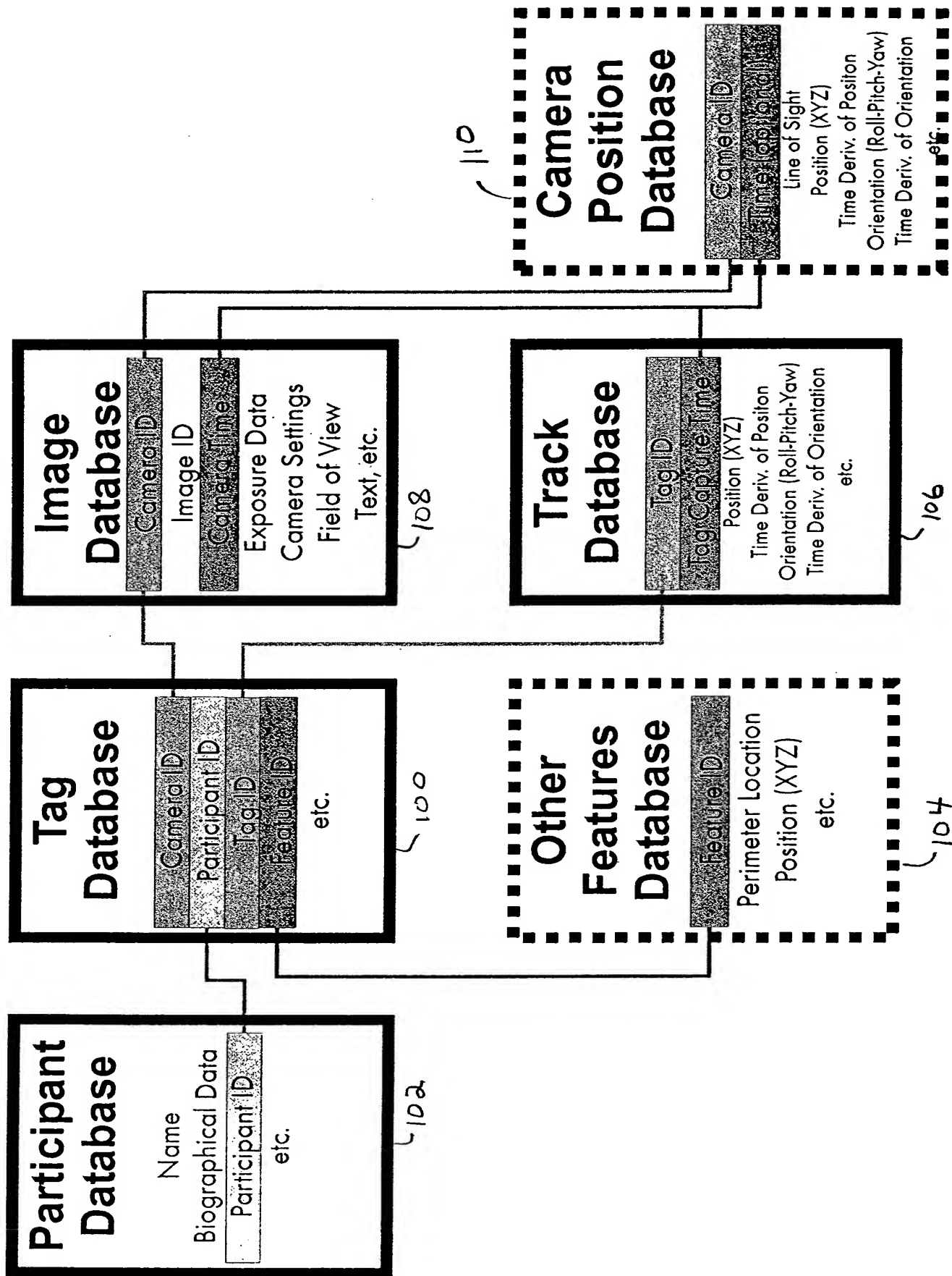


FIG. 8

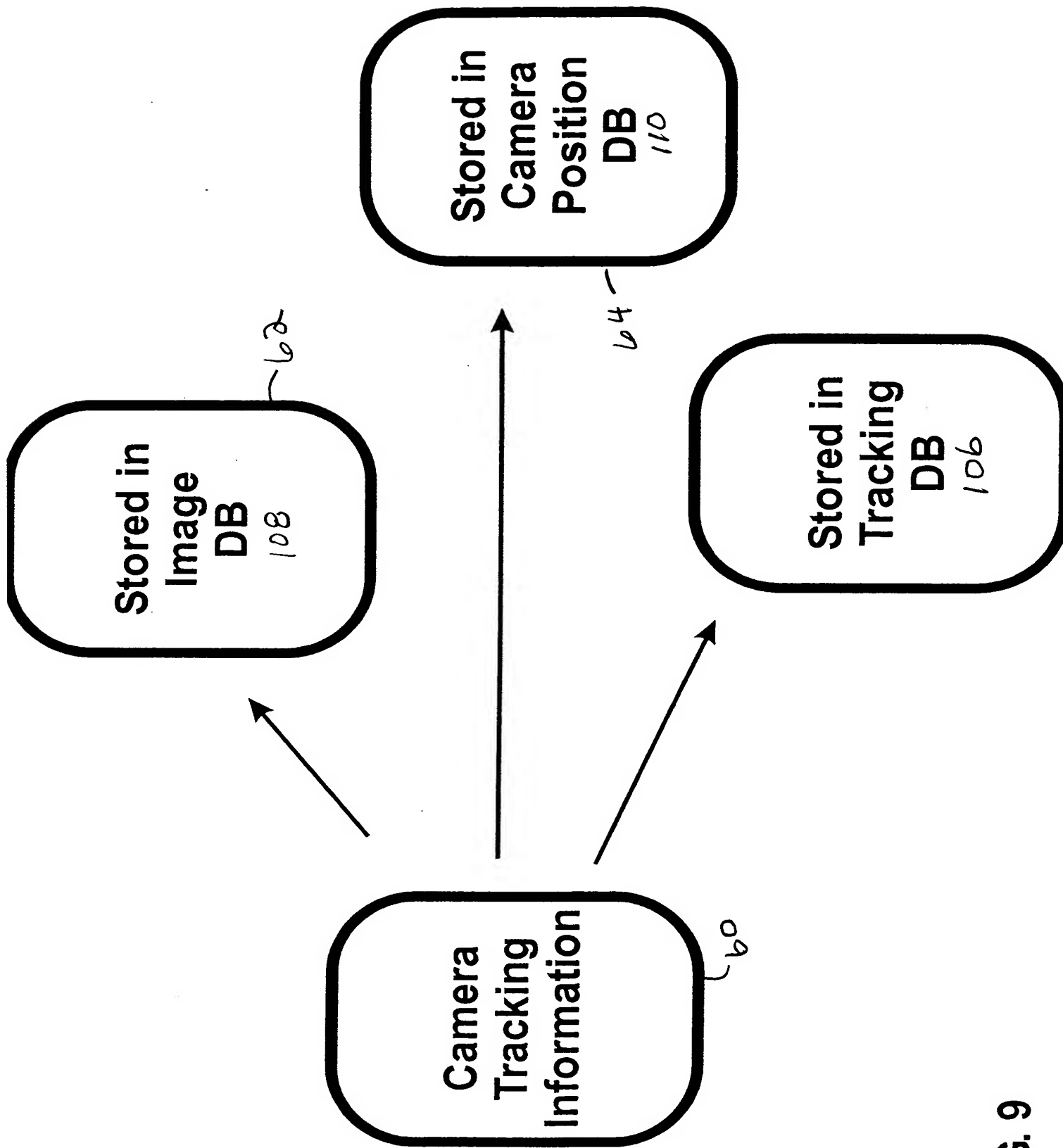


FIG. 9

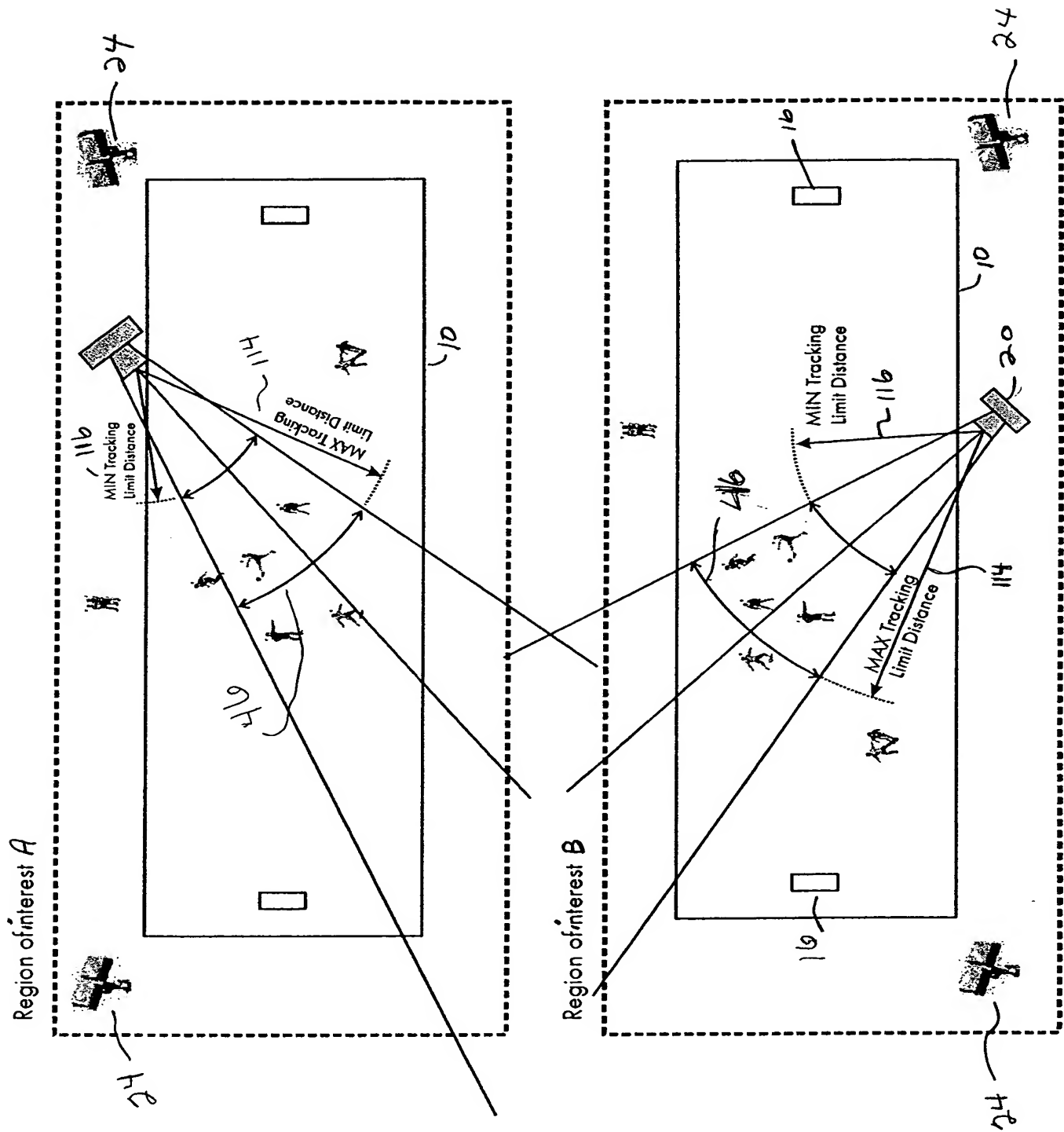


FIG. 10

# Sports Event

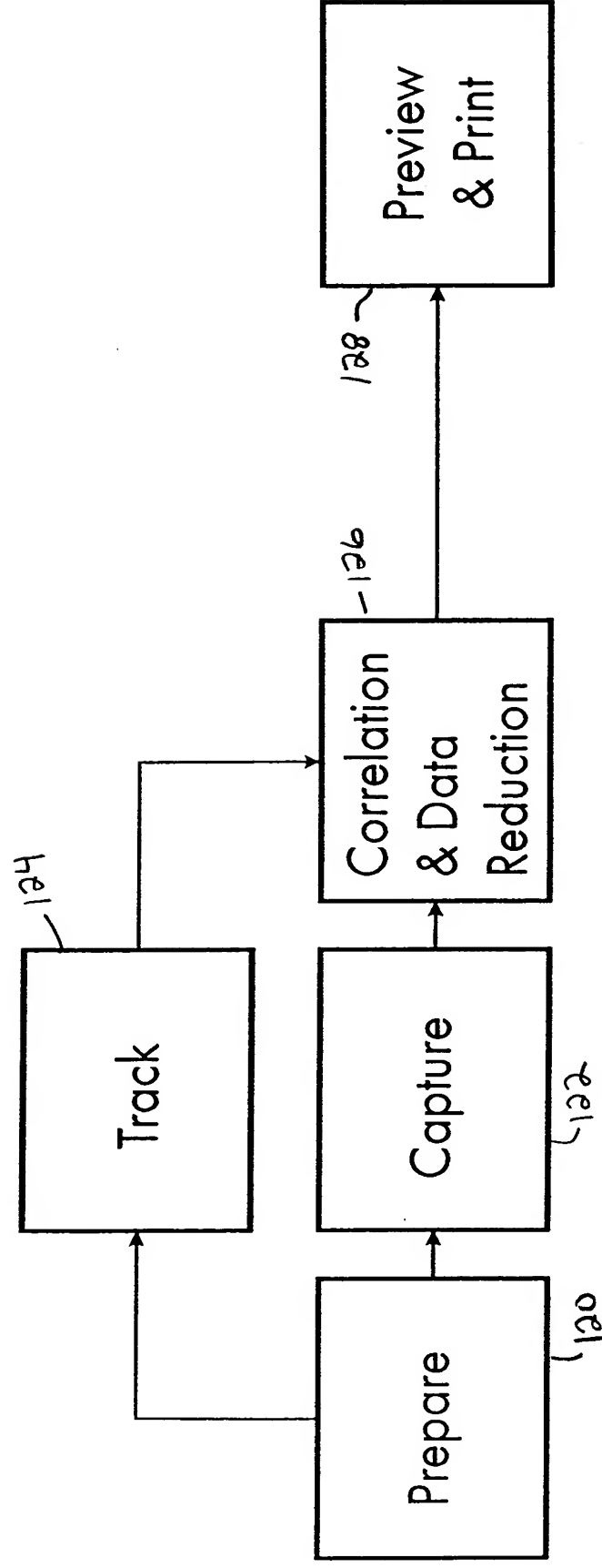


FIG. 11

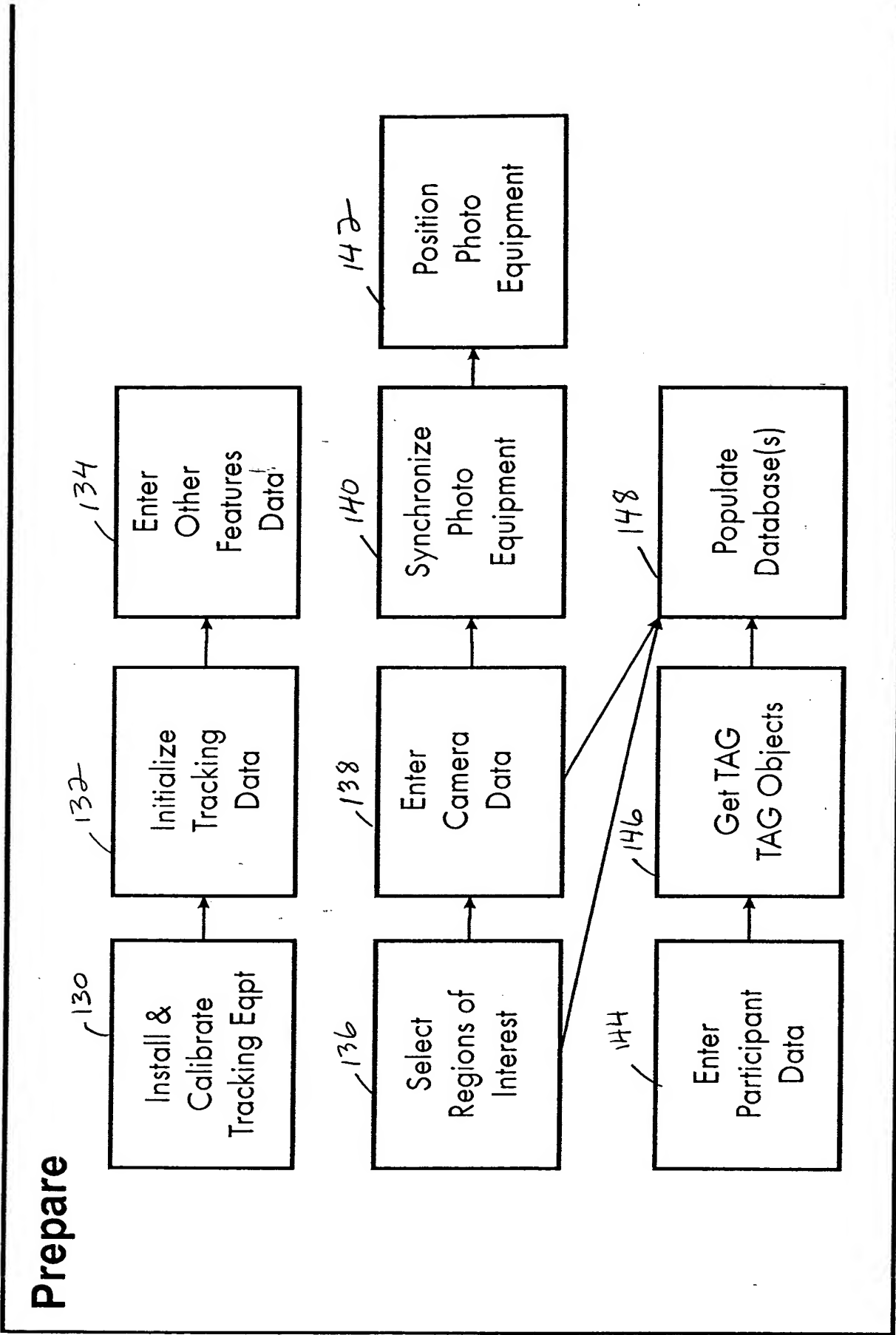


FIG. 12

Sports Event

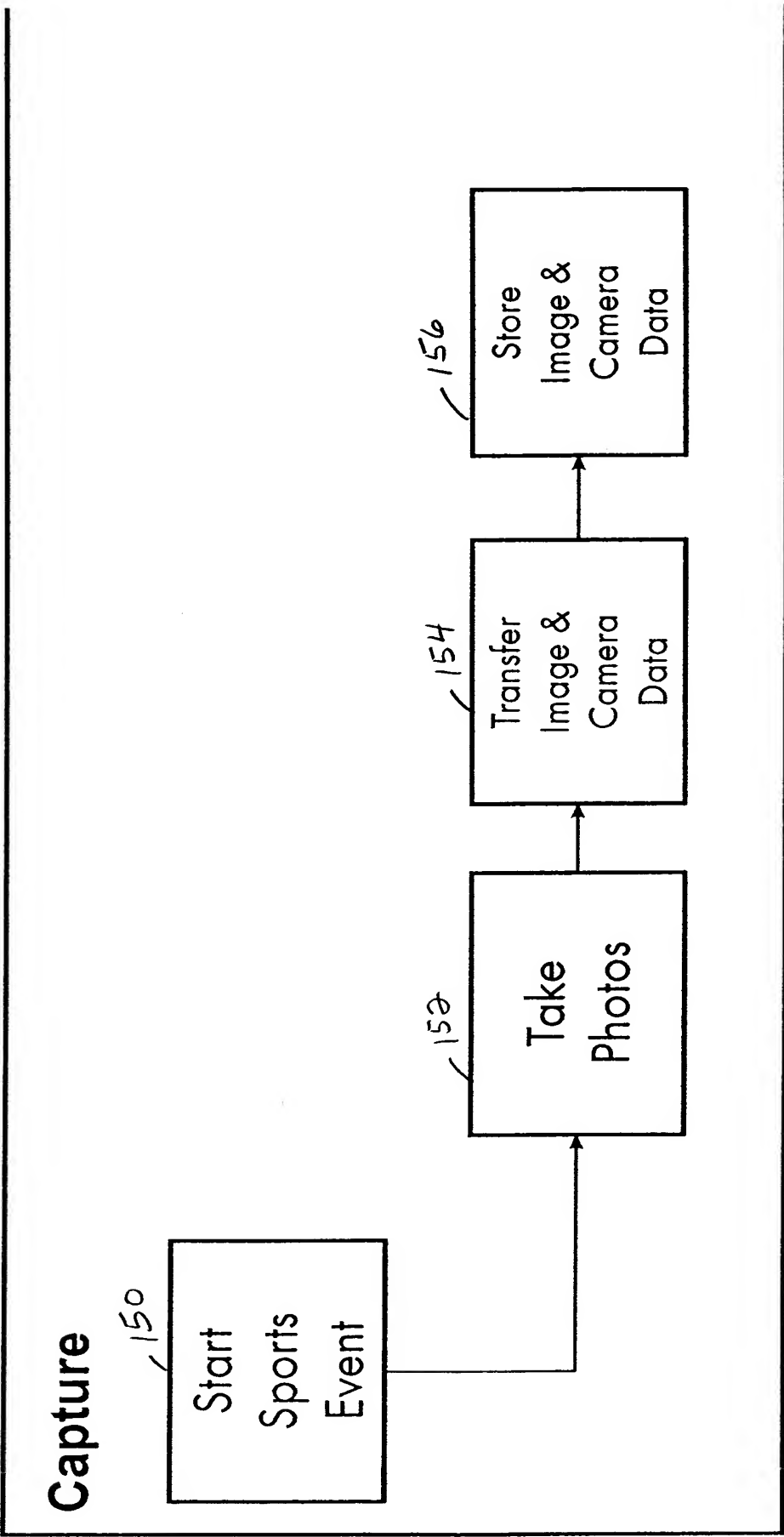


FIG. 13

Sports Event

Track

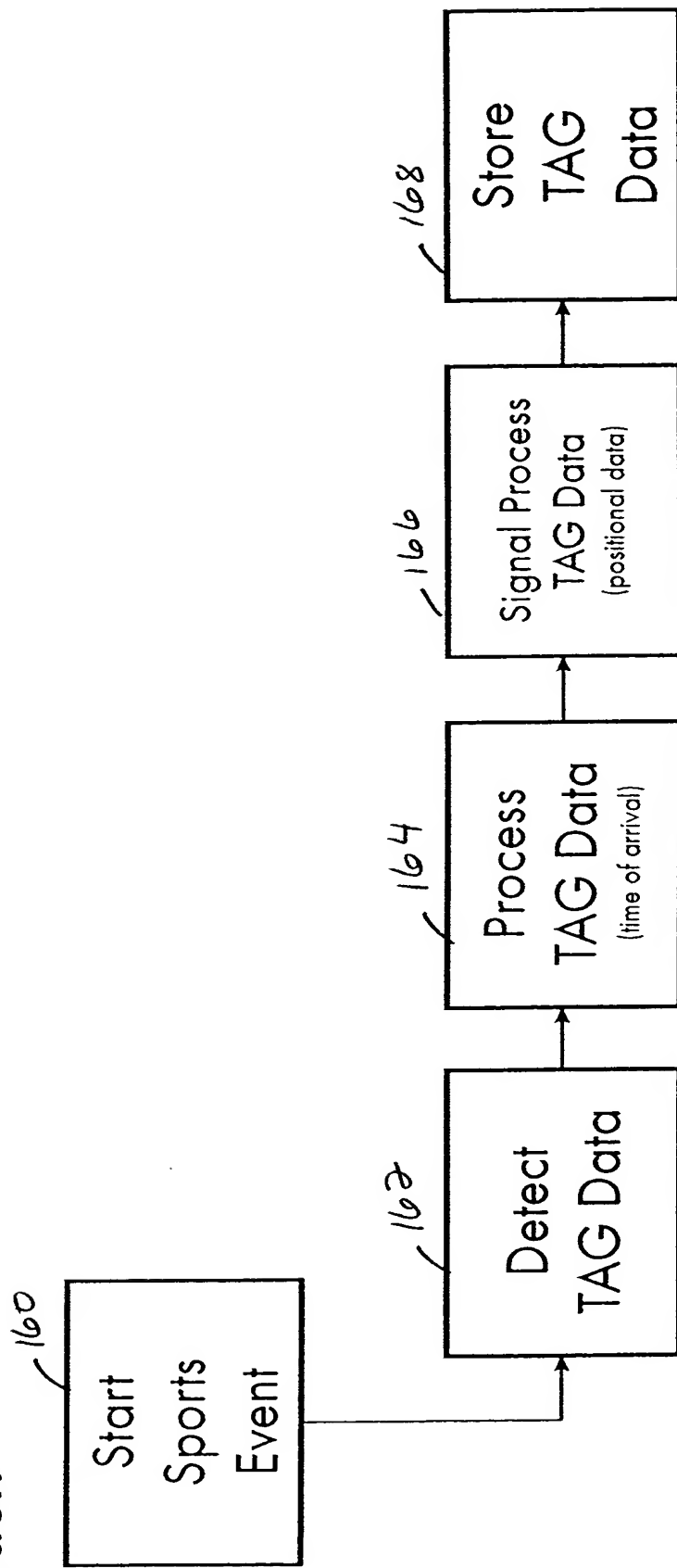


FIG. 14



## Correlation and Data Reduction

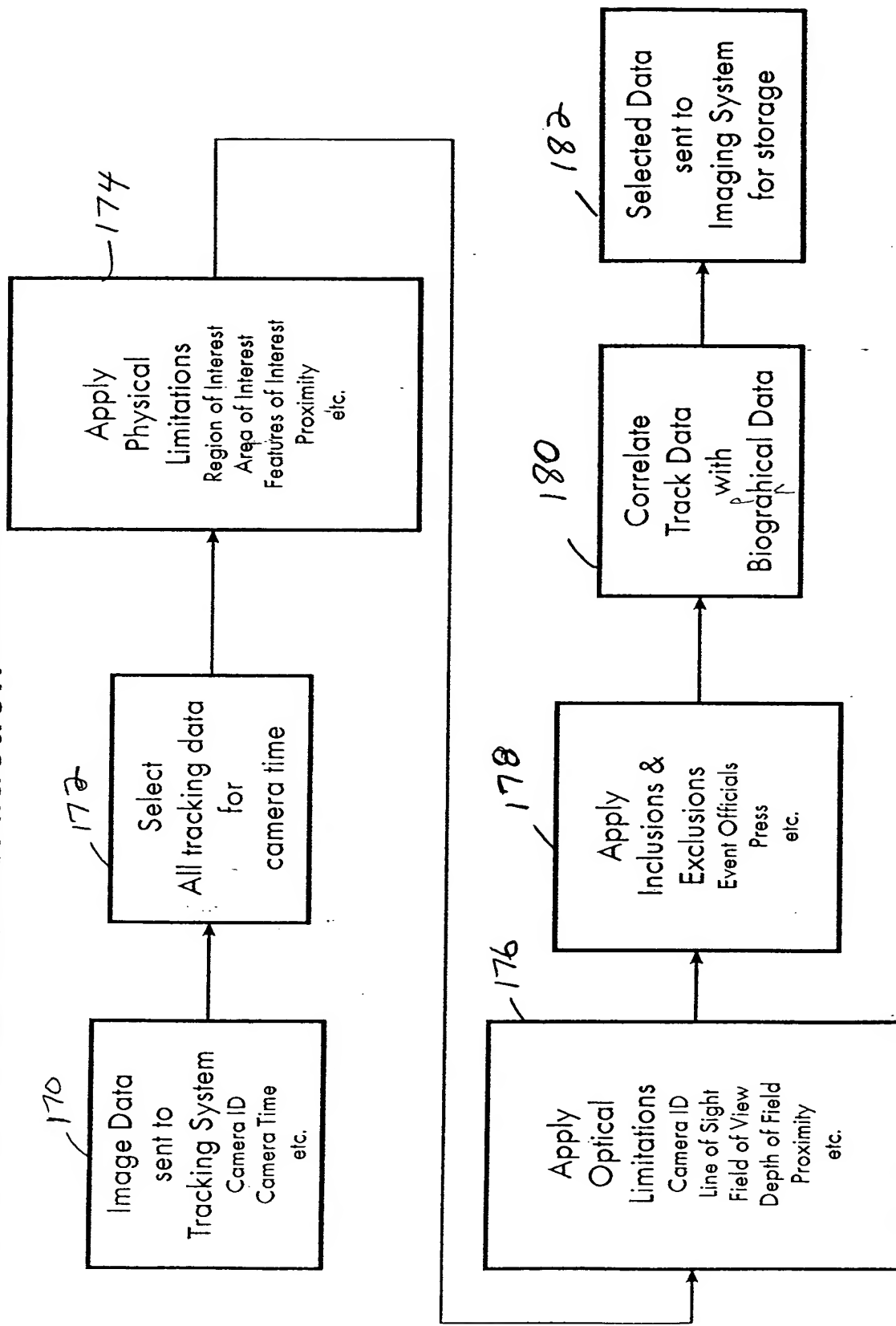


FIG. 15

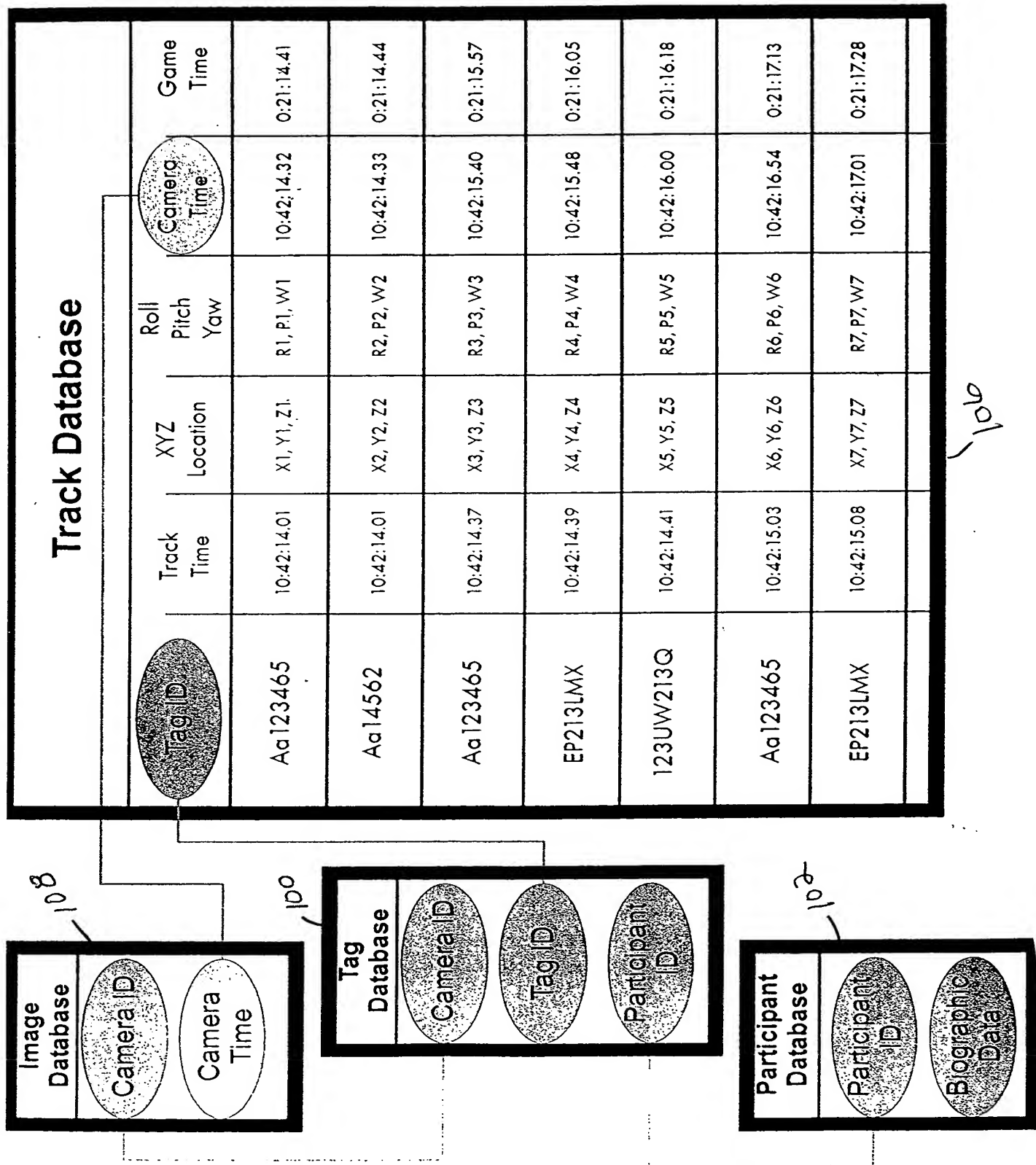


FIG. 16

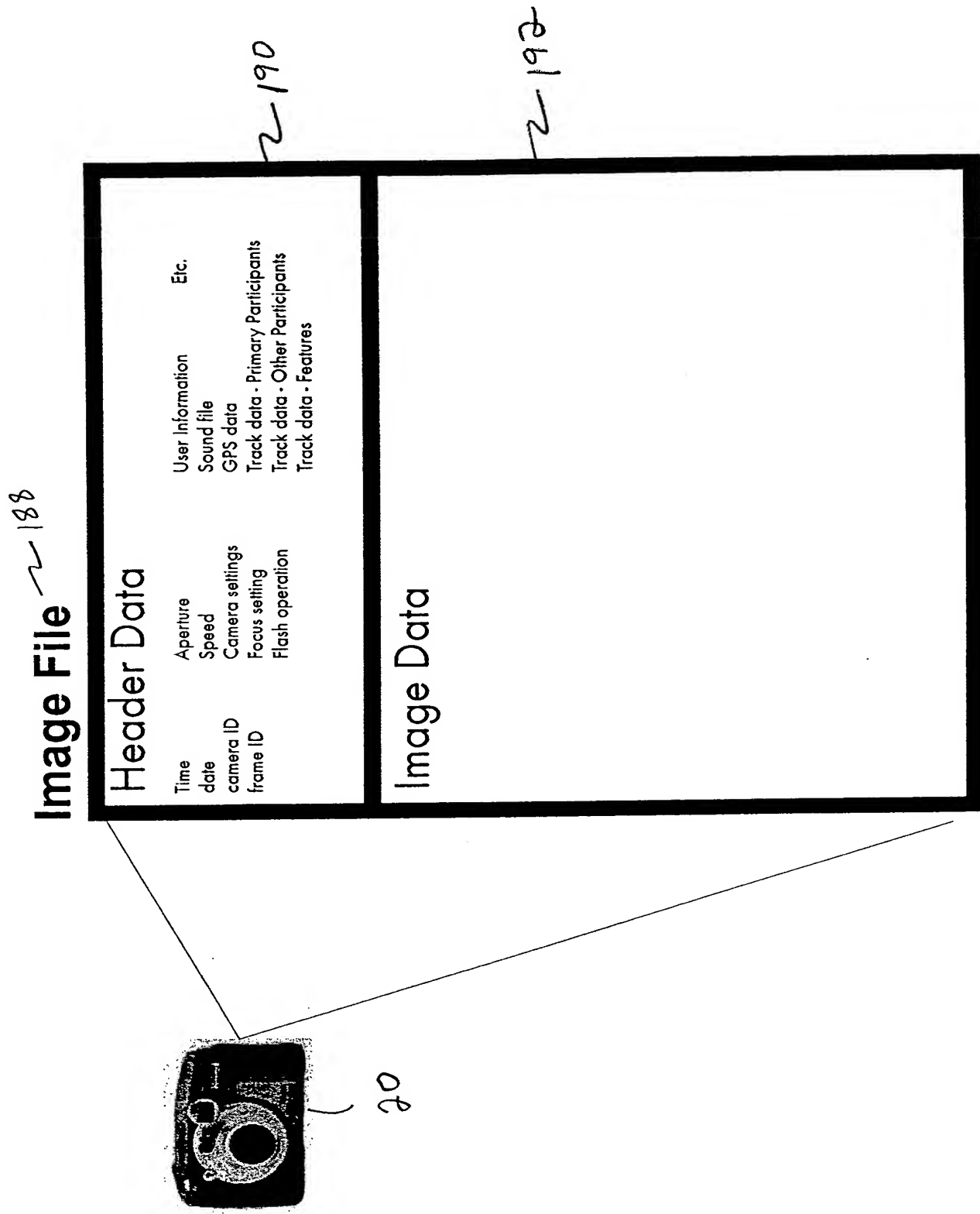
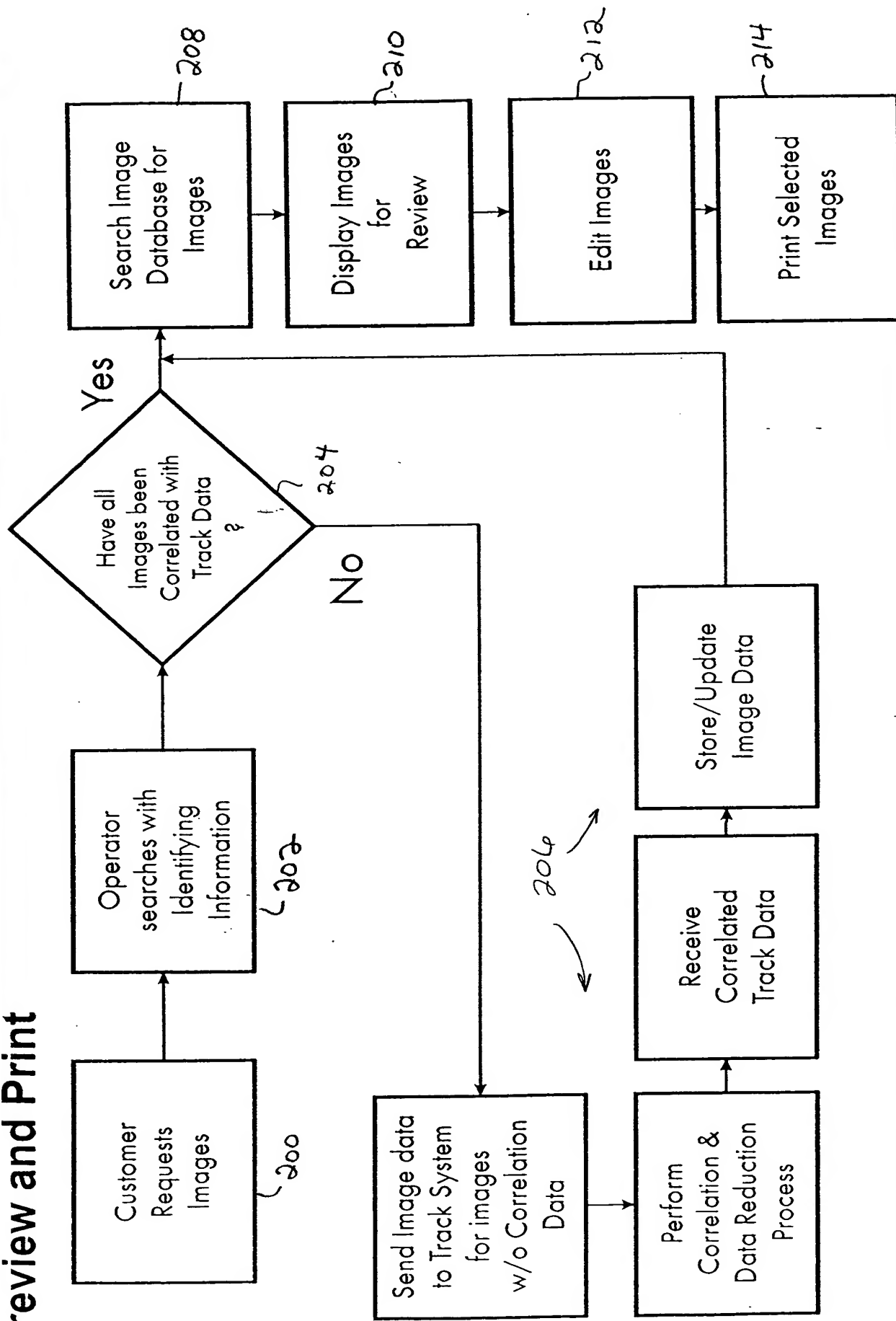


FIG. 17

Identification Information						CAMERA ID = 26	FRAME ID = 121
Tag ID	Participant	XYZ Location	In DoF	In FOV	Person or Object		
Aa123465	Joe	X1, Y1, Z1	Yes	Yes	P		
Aa14567	Tom	X2, Y2, Z2	No	Yes	P		
Aa123492	Harold	X3, Y3, Z3	Yes	Yes	P		
EP213LMX	East Goal	X4, Y4, Z4	No	Yes	Q		
123UW213Q	Stephanie	X5, Y5, Z5	No	Yes	P		
Aa123639	Michael	X6, Y6, Z6	Yes	Yes	P		
EP213LPT	Referee #3	X7, Y7, Z7	No	Yes	P		

FIG. 18



**FIG. 19**

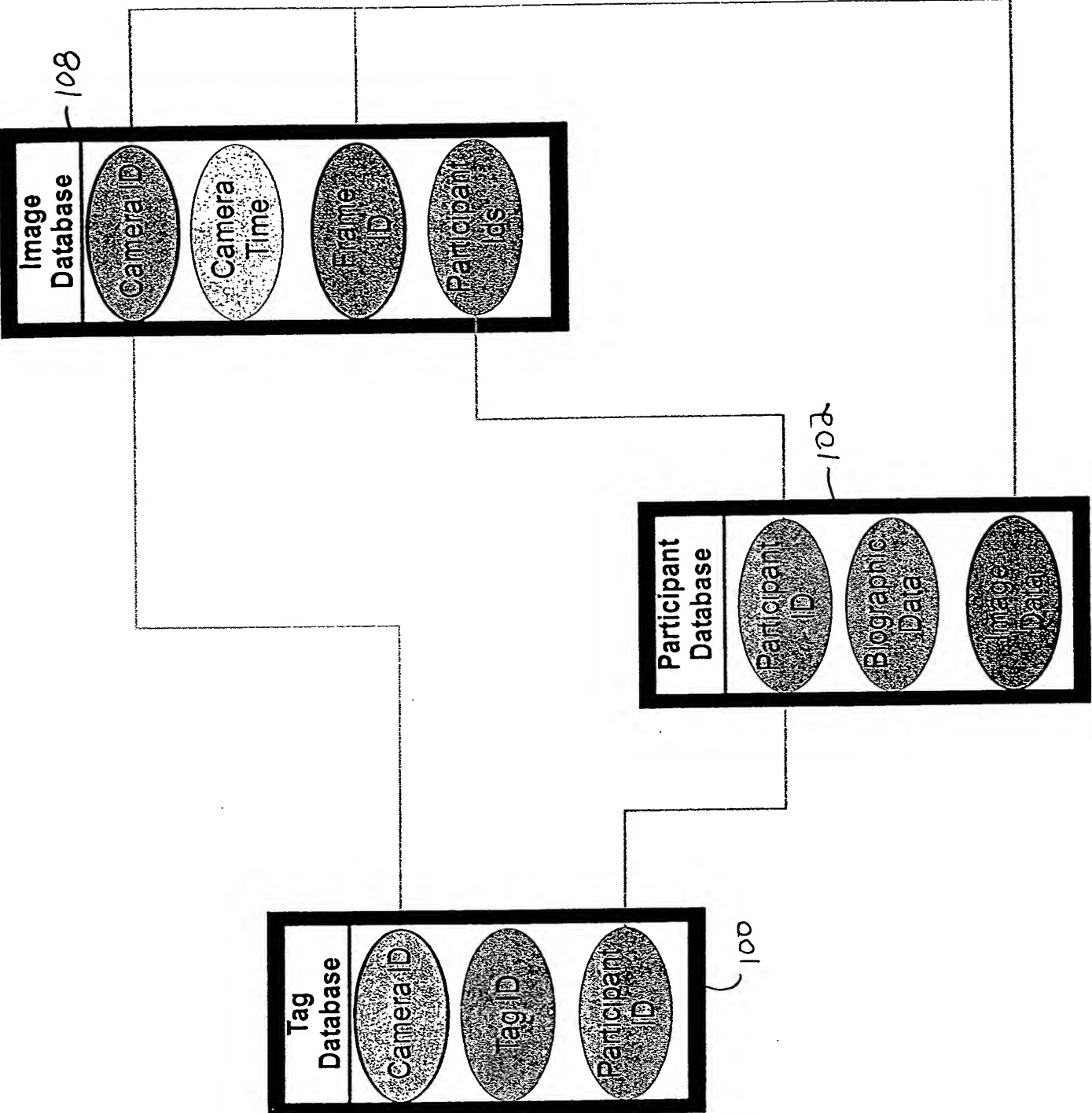


FIG. 20

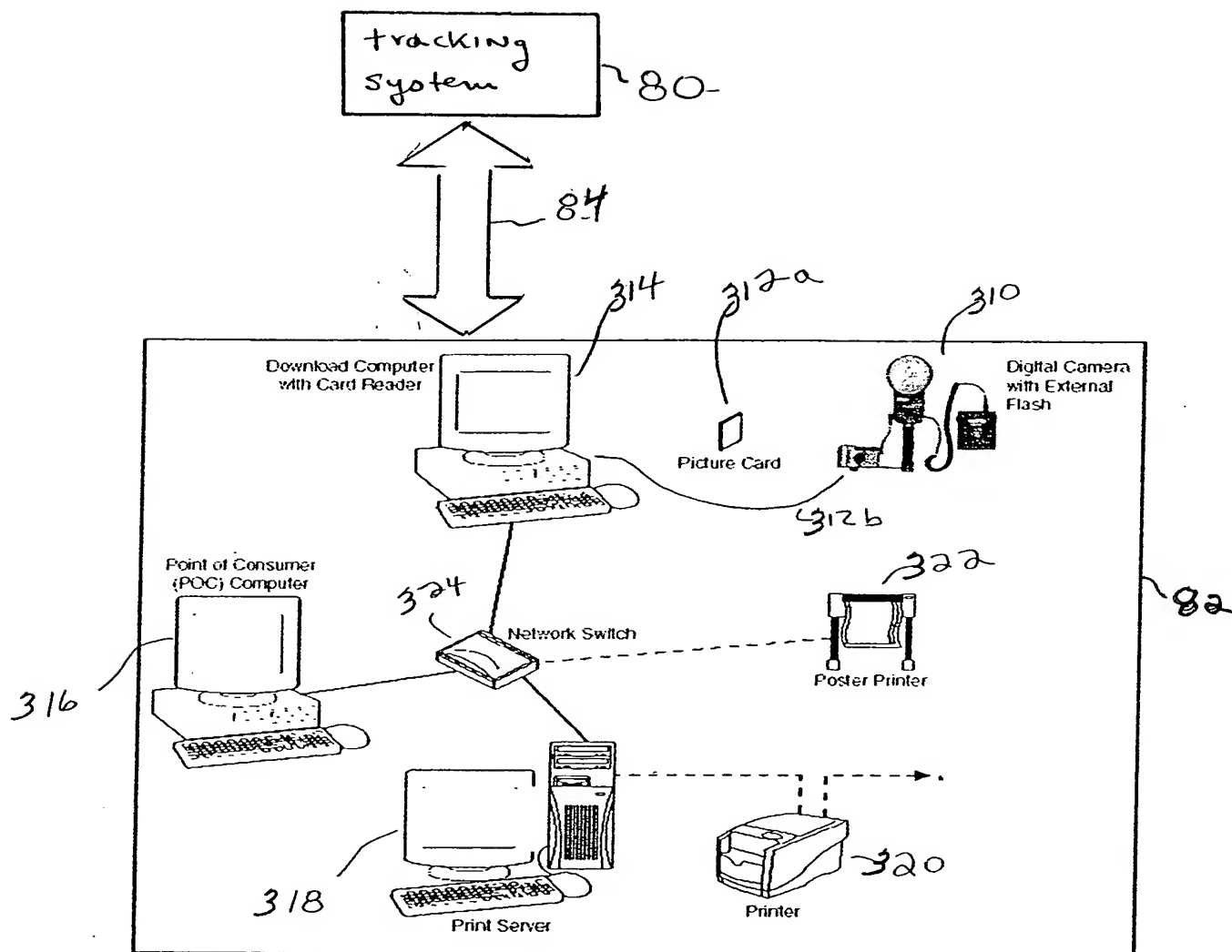


FIGURE 21.